

Claims

- [c1] 1. A method for indicating availability of a network resource in a client-server environment, the method comprising the steps of:
- querying the network resource to determine network resource availability and response time, and setting a status indicator with the network resource availability;
 - in the case that the status indicator indicates that the network resource is available, determining whether a query of the network resource is occurring; and
 - in the case that a query is occurring, indicating the network resource is available only if an expanded time of the query is less than a specified response time.
- [c2] 2. The method of claim 1, wherein, in the case that the status indicator indicates the network resource is available and a query is not occurring, indicating that the network resource is available.
- [c3] 3. The method of claim 1, wherein the querying step includes repeating querying the network resource in the case that the network resource is unavailable.

- [c4] 4. The method of claim 1, wherein the querying step includes setting a querying indicator that indicates whether querying is occurring, and the determining step includes checking the querying indicator.
- [c5] 5. The method of claim 1, wherein the querying step includes updating an average query completion time using the response time only in the case that the network resource is available.
- [c6] 6. The method of claim 5, wherein the specified response time is equal to a value within a threshold of the average query completion time.
- [c7] 7. The method of claim 1, further comprising the step of setting the status indicator to unavailable in the case that a client accesses the network resource and the network resource is unavailable.
- [c8] 8. A system for indicating availability of a network resource in a client-server environment, the system comprising:
- a query component that determines network resource availability and response time; and
 - a status component that communicates the network resource availability as available only if the network resource is available within a specified response

time.

- [c9] 9. The system of claim 8, wherein the query component sets a status indicator with the network resource availability, and the status component: a) determines, in the case that the status indicator indicates that the network resource is available, whether a query of the network resource is occurring, and b) indicates, in the case that a query is occurring, the network resource is available to the client only if an expanded time of the query is less than a specified response time.
- [c10] 10. The system of claim 9, wherein the status component indicates, in the case that the status indicator indicates the network resource is available and a query is not occurring, that the network resource is available.
- [c11] 11. The system of claim 8, wherein the query component repeats querying the network resource in the case that the network resource is unavailable.
- [c12] 12. The system of claim 8, wherein the query component sets a querying indicator that indicates whether querying is occurring.
- [c13] 13. The system of claim 8, wherein the query component updates an average query completion time using the response time only in the case that the network resource is

available.

- [c14] 14. The system of claim 13, wherein the specified response time is defined as a value within a threshold of the average query completion time.
- [c15] 15. The system of claim 8, wherein the status component sets the status indicator to unavailable in the case that a client accesses the network resource and the network resource is unavailable.
- [c16] 16. A computer program product comprising a computer useable medium having computer readable program code embodied therein for indicating availability of a network resource in a client-server environment, the program product comprising:
- program code configured to query the network resource to determine network resource availability and response time, and set a status indicator with the network resource availability; and
 - program code configured to indicate a status of the network resource by:
 - determining, in the case that the status indicator indicates that the network resource is available, whether a query of the network resource is occurring; and
 - indicating, in the case that a query is occurring, the

network resource is available only if an expanded time of the query is less than a specified response time.

- [c17] 17. The program product of claim 16, wherein the status program code also indicates, in the case that the status indicator indicates the network resource is available and a query is not occurring, that the network resource is available.
- [c18] 18. The program product of claim 16, wherein the querying program code includes program code configured to repeat querying the network resource in the case that the network resource is unavailable.
- [c19] 19. The program product of claim 16, wherein the query program code includes program code configured to set a querying indicator indicating whether querying is occurring, and wherein the status program code checks the querying indicator to determine whether querying is occurring.
- [c20] 20. The program product of claim 16, wherein the querying program code includes program code configured to update an average query completion time using the response time only in the case that the network resource is available.

- [c21] 21. The program product of claim 20, wherein the specified response time is defined a value within a threshold of the average query completion time.
- [c22] 22. The program product of claim 16, wherein the status program code is further configured to set the status indicator to unavailable in the case that a client accesses the network resource and the network resource is unavailable.
- [c23] 23. A method for indicating availability of a network resource in a client-server environment, the method comprising the steps of:
- querying the network resource to determine network resource availability and response time; and
 - indicating the network resource is available only if the network resource is determined to be available within a specified response time.
- [c24] 24. The method of claim 23, wherein the querying step includes setting a status indicator with the network resource availability, and the indicating step includes: a) determining, in the case that the status indicator indicates that the network resource is available, whether a query of the network resource is occurring, and b) indicating, in the case that a query is occurring, the network

resource is available to the client only if an expanded time of the query is less than the specified response time.

- [c25] 25. The method of claim 24, further comprising, in the case that the status indicator indicates the network resource is available and a query is not occurring, indicating that the network resource is available.
- [c26] 26. The method of claim 24, wherein the querying step includes repeating querying the network resource in the case that the network resource is unavailable.
- [c27] 27. The method of claim 24, wherein the querying step includes providing a querying indicator that indicates whether querying is occurring, and the determining step includes checking the querying indicator.
- [c28] 28. The method of claim 24, wherein the querying step includes updating an average query completion time using the response time only in the case that the network resource is available.
- [c29] 29. The method of claim 28, wherein the specified response time is defined as a value within a threshold of the average query completion time.
- [c30] 30. The method of claim 24, further comprising the step

of setting the status indicator to unavailable in the case that a client accesses the network resource and the network resource is unavailable.

- [c31] 31. A system for deploying a network resource availability indication application, comprising:
- a computer infrastructure being operable to:
 - receive a query from a client regarding the availability of the network resource;
 - query the network resource to determine network resource availability and response time;
 - set a status indicator with the network resource availability;
 - determining whether a query of the network resource is occurring in the case that the status indicator indicates that the network resource is available; and
 - provide an indication to the client that the network resource is available only if an expanded time of the query is less than a specified response time in the case that a query is occurring.